

# MEASURING AND ANALYZING MULTI-DIMENSIONAL SENSORY INFORMATION FOR IDENTIFICATION PURPOSES

## ABSTRACT OF THE DISCLOSURE

5           Methods and systems are provides for measuring multi-dimensional sensing  
information for identification purposes. The identity of one or more substances is determined  
through analysis of multidimensional data that can include, among others, intrinsic  
information as well as extrinsic information. The method for identification of a substance  
comprises utilizing pattern recognition to form descriptors to identify characteristics of the  
10   substance. A system and computer program for performing analysis of the multidimensional  
data are also described.

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